

Notice of Allowability

Application No.

10/649,816

Examiner

Tesfaldet Bocure

Applicant(s)

KANTERAKIS ET AL.

Art Unit

2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/23/05.
2. ☒ The allowed claim(s) is/are 5-15 and 17-25, renumbered as 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

TESFALDET BOCORE
PRIMARY EXAMINER

DETAILED ACTION

1. The " Petition for Exercise of Supervisory Authority and Withdrawal Final Office Action" received on September 23, 2005 has been noted.
2. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Specifications:

In page 26, line 2, "the" has been changed to read as---there---.

Remarks:

4. The above Examiner's Amendment was made to correct minor typographical error.

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5. The following is an examiner's statement of reasons for allowance: The claimed subject matter in claims 5-15 and 17-25 is allowable because the arts of record fail to teach or fairly suggest the claimed:

"A method of providing access to communication channels of a wireless communication network, comprising:

receiving from a remote station a detectable access burst comprising one of a plurality of possible coded preamble signals, the one coded preamble signal having been selected by the remote station from among a plurality of coded preamble signals assigned to a base station of the network and corresponding to one of a plurality of spreading codes assigned to the base station for use on uplink communications to the base station (the above limitation has been interpreted by the Examiner as if the remote unit is assigning the code in which the base stations communicating) ;

sending an acknowledgement signal corresponding to the received coded preamble signal;

receiving a power control signal from the remote station at the base station;

receiving a spread-spectrum signal containing data from the remote station following the sending of the acknowledgement signal, the received spread spectrum signal having been spread with the one spreading code corresponding to the received coded preamble signal; and

transmitting a spread-spectrum signal intended for the remote station from the base station at a power level based on the received power control signal as in claim 5";

"A method of wireless communication through a network, comprising:

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receiving a frame-timing signal from a spread-spectrum base station of the network over a broadcast common synchronization channel having a common chip-sequence signal; determining frame timing from the received frame-timing signal;

transmitting an access burst signal over a spread-spectrum uplink channel, in a time slot selected from a plurality of time slots having predefined relationships to the determined frame timing;

receiving an acknowledgement signal corresponding to the access burst signal, from the base station;

receiving a power control signal from the base station;

transmitting a base station power control signal and packet data to the base station over the spread-spectrum uplink channel, at a power level based on the received power control signal,

wherein at least the transmitting of the packet data is responsive to receipt of the acknowledgement signal; and

receiving data from the base stations,

wherein the transmission of the power control signal to the base station precedes the transmission of the packet data as in claim 15"; and

" A method of providing a packet communication service, comprising:

broadcasting a frame-timing signal from a base station, over a common synchronization channel modulated with a common chip-sequence signal;

selectively authorizing one of a plurality of remote stations to use an uplink packet

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channel for packet transmissions to the base station, on a slotted-aloha basis, in a predetermined relationship to the frame-timing signal;

receiving a power control signal from the one authorized remote station, at the base station;

transmitting a power control signal intended for the one authorized remote station, from the base station, at a power level based on the received power control signal; and

receiving a spread-spectrum signal containing packet data from the one authorized remote station over the uplink packet channel at the base station as in claim 19.”

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US patent number 6,269,088 issued to Masui et al. discloses a spread spectrum communication system having a base station assigning a frame timing where the mobile units to communicate.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tesfaldet Bocure whose telephone number is (571) 272-

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3015. The examiner can normally be reached on Mon-Thur (7:30a-5:00p) & Mon.-Fri (7:30a-5:00p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

T.Bocure

Tesfaldet Bocure
Primary Examiner
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